## PATENT COOPERATION TREATY

## **PCT**

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER		see Form PCT/ISA/220
P513526PCT/DCJ	ACTION	as well	l as, where applicable, item 5 below.
International application No.	International filing date (day/mor	th/year)	(Earliest) Priority Date (day/month/yes.)
PCT/GB2004/005228	14/12/2004	4	15/12/2003
Applicant			
IMPERIAL COLLEGE INNOVATION	ONS LTD.		
This International Search Report has been according to Article 18. A copy is being tra	n prepared by this International Se	arching Aut	hority and is transmitted to the applicant
This International Search Report consists		•	1.5
	a copy of each prior art document		report.
K in also assumptions 2,		<u> </u>	<u> </u>
Basis of the report     a. With regard to the language, the language in which it was filed, unlike the second	international search was carried or ess otherwise indicated under this	ut on the ba	sis of the international application in the
	search was carried out on the basi		ation of the international application furnished to
, ,	,	e disclosed	in the international application, see Box No. I.
2. X Certain claims were fou	nd unsearchable (See Box II).		
3. Unity of invention is lac	king (see Box III).		
4. With regard to the <b>title</b> ,			
X the text is approved as su	bmitted by the applicant.		
the text has been establis	hed by this Authority to read as fol	lows:	
5. With regard to the abstract,			
x the text is approved as su		this Authori	ty as it appears in Box No. IV. The applicant
the text has been establismay, within one month from	om the date of mailing of this intern	ational sear	ch report, submit comments to this Authority.
6. With regard to the drawings,			
a. the figure of the <b>drawings</b> to be p	oublished with the abstract is Figure	No1_	
as suggested by			
·	s Authority, because the applicant		
;	s Authority, because this figure be	tter characte	erizes the invention.
b. none of the figures is to b	e published with the abstract.		

## INTERNATIONAL SEARCH REPORT

International Application No
PCT/GB2004/005228

A. CLASSI IPC 7	FICATION OF SUBJECT MATTER A61B8/00				
	o International Patent Classification (IPC) or to both national classification and IPC				
	SEARCHED currentation searched (classification system followed by classification symbols)				
IPC 7					
Documentat	ion searched other than minimum documentation to the extent that such documents	are included in the fields searched			
	·				
Electronic d	ata base consulted during the international search (name of data base and, where	practical, search terms used)			
EPO-In	ternal, WPI Data, PAJ				
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT				
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.			
Х	US 6 330 885 B1 (WEISSMAN ERIC M ET AL)	1,2,4,5, 8-11			
Υ	18 December 2001 (2001-12-18) column 2, line 14 - column 9, line 10	6,7			
х	US 5 700 952 A (ANDERSEN ET AL)	1,2			
	23 December 1997 (1997-12-23) column 2, line 34 - column 17, line 57				
х	US 4 773 428 A (WONG ET AL) 27 September 1988 (1988-09-27)	1,3			
	column 2, line 45 - column 9, line 10				
х	US 6 398 734 B1 (CIMOCHOWSKI GEORGE E ET AL) 4 June 2002 (2002-06-04)	1,2,4,5, 8-11			
	column 5, line 5 - column 27, line 30				
Υ	US 5 938 612 A (KLINE-SCHODER ET AL) 17 August 1999 (1999-08-17)	6,7			
	column 3, line 66 - column 20, line 3				
Furti	her documents are listed in the continuation of box C. X Paten	t family members are listed in annex.			
° Special ca	tegories of cited documents: "T" later docum	nent published after the international filing date			
	ent defining the general state of the art which is not cited to us	date and not in conflict with the application but nderstand the principle or theory underlying the			
considered to be of particular relevance invention  "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention					
filing o		considered novel or cannot be considered to ninventive step when the document is taken alone			
which	of particular relevance; the claimed invention considered to involve an inventive step when the				
citation or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other means  cannot be considered to involve an inventive step when the document is combined with one or more other such document is combined with one or more other such documents, such combination being obvious to a person skilled					
"P" docume	ent published prior to the international filing date but in the art.	member of the same patent family			
Date of the	illing of the international search report				
3	0 March 2005	04/2005			
Name and r	mailing address of the ISA Authorized European Patent Office, P.B. 5818 Patentlaan 2	officer			
	NL - 2280 HV Rijswijk	ze, V			

1

#### FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

# International application No. PCT/GB2004/005228

#### INTERNATIONAL SEARCH REPORT

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
Claims Nos.:     because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:  See FURTHER INFORMATION sheet PCT/ISA/210
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest  The additional search fees were accompanied by the applicant's protest.  No protest accompanied the payment of additional search fees.

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/GB2004/005228

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 6330885	B1	18-12-2001	US AU WO	6092530 A 3919100 A 0056242 A1	25-07-2000 09-10-2000 28-09-2000
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US 5938612	Α	17-08-1999	NONE		